

Having thus described the invention there is claimed as new and desired to be secured by Letters Patent:

1. A processor implemented video monitor, the video monitor comprising a display housing, a console having a storage cavity dimensioned to receive the display housing and a releasable latch system for retaining the display housing in the storage cavity, the storage cavity including a cavity wall, the cavity wall having an aperture therethrough, the latch system including a detent pin extending through the aperture, the display housing including a receptacle formed in a wall of the display housing, the receptacle being in registration with the aperture when the display housing is in a stowed position within the stowage cavity, the detent pin being normally biased to extend through the aperture and into the receptacle when the display housing is in the stowed position, the latch system further including a solenoid carried in the console, the solenoid having a slidable core, the detent pin being positioned at an end of the core, the console including a touch sensor, the latch system further including a circuit operatively connected to the touch sensor and operatively connected to the solenoid for actuating the solenoid in response to a user touching the touch sensor.
2. A processor implemented video monitor as constructed in accordance with claim 1 wherein an exterior surface of the console includes a concave recess, the touch sensor being positioned in the recess.
3. A processor implemented video monitor as constructed in accordance with claim 1 further including a processor, the processor being operatively connected to the

circuit for actuating the solenoid, at least one processor input device, the processor being operatively connected to the processor input device, the processor receiving a signal from the input device and in response thereto, generating a signal for actuating the solenoid, the circuit for actuating the solenoid receiving the processor generated signal and in response thereto, actuating the solenoid.

4. A processor implemented video monitor as constructed in accordance with claim 1 wherein the touch sensor comprises a pair of electrical contacts.

5. A processor implemented video monitor as constructed in accordance with claim 4 further including a plurality of processor input devices, the processor receiving a signal from one of the input devices.

6. A processor implemented video monitor as constructed in accordance with claim 1 further including a display driving circuit and a display housing position sensor, the position sensor being carried in the console, the position sensor detecting when the display housing has been released from the stowage cavity in response to actuation of the solenoid and generating a signal, the display driving circuit being engaged in response to the position sensor signal.

7. In a video monitor having a display housing and a console, the console having a stowage cavity dimensioned to receive the display housing, the improvement comprising a latch system, the latch system including a solenoid mounted within the

console, the solenoid carrying a sliding core having a detent pin at an end thereof, the stowage cavity having a wall with an aperture formed therethrough, the detent pin extending through the aperture, the display housing having a wall with a receptacle formed therein, the detent pin extending through the aperture and into the receptacle when the display housing is in a stowed position, the latch system further including a switch having a user engageable portion positioned on the exterior of the console, the switch being actuated to interconnect the solenoid with a power supply, whereby when the user engages the user engageable portion, the solenoid withdraws the detent pin from the receptacle, thereby releasing the display housing from the stowage cavity.

8. The improvement in a video monitor as constructed in accordance with claim 7 wherein the user engageable portion comprises a touch sensor.

9. The improvement in a video monitor as constructed in accordance with claim 8 wherein the console includes a concave finger well, the touch sensor being positioned in the well.

10. The improvement in a video monitor as constructed in accordance with claim 8 wherein the touch sensor comprises a touch contact projecting from a contact plate, the contact plate being mounted to the interior of the console and the touch contact projecting through an aperture in the console.

11. A processor implemented video monitor, the video monitor comprising a display housing, a console having a storage cavity dimensioned to receive the display

housing, a processor, an input device operatively connected to the processor, a display driving circuit operatively connected to the processor and a releasable latch system for retaining the display housing in the storage cavity, the storage cavity including a cavity wall, the cavity wall having an aperture therethrough, the latch system including a detent pin extending through the aperture, the display housing including a receptacle formed in a wall of the display housing, the receptacle being in registration with the aperture when the display housing is in a stowed position within the stowage cavity, the detent pin being normally biased to extend through the aperture and into the receptacle when the display housing is in the stowed position, the latch system further including a solenoid carried in the console, the solenoid having a slidible core, the detent pin being positioned at an end of the core, the latch system further including a solenoid driving circuit operatively connected to the processor and operatively connected to the solenoid for actuating the solenoid in response to a signal generated by the input device.

12. A processor implemented video monitor as constructed in accordance with claim 11 further including a touch sensor, the solenoid driving circuit being operatively connected to the touch sensor for actuating the solenoid in response to a user touching the sensor.

13. A processor implemented video monitor as constructed in accordance with claim 11 wherein the input device comprises a remote control sensor.

14. A processor implemented video monitor as constructed in accordance with claim 11 wherein the input device comprises a membrane keyboard.